# GRANDE PRAIRIE REGIONAL COLLEGE 

## DEPARTMENT OF SCIENCE

## INTRODUCTION TO COMPUTING CS1010 3(3-0-3)

Instructors: David Gregg George Ding<br>\section*{Office: C427}<br>Office: C407

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This course provides an overview of computing science concepts for
students with little or no programming background. We will explore
computing topics from both an applications orientation as well as
introducing the student to programming in a higher level language
(C++).
The student will become familiar with general computing concepts and
terminology. Topics include representation of data; machine
architecture; operating system concepts; properties of algorithms and
computational problems; syntax of a high-level procedural programming
language; basic data types and control structures.
The lab portion of the course will provide students experience in
programming in a high-level language as well as practical exercises to
complement the theoretical material presented in the lectures.
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## Laboratories:

Scheduled Lab facilities for this course are in the A and J Wing computer labs. Labs will begin the week of Sept 9. Lab assignments are to be completed and submitted during the same lab period. Lab assignments are common to all lab sections.

## TextBooks:

Concepts: | An Invitation to Computer Science 4th ed. |
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| G. Michael Schneider and J.L. Gersting |
| Thomson Course Technology |

## Marking:

| Lab Assignments/Quizes | $25 \%$ |  |
| :--- | :---: | :--- |
| Midterm Test | I | $20 \%$ |
| Midterm Test | II | $25 \%$ |
| Final Exam |  | $30 \%$ |

## Special Notes:

No late lab or project assignments will be accepted.
The student is responsible for adhering to all requirements as specified for each project/lab assignment.

